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(54) DYNAMIC PRESSURE BEARING

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(57) Abstract:

PROBLEM TO BE SOLVED: To provide a dynamic pressure bearing having a shaft, to which a flange can be firmly secured with ease.

SOLUTION: The outer peripheral faces of a shaft 2 are respectively provided with annular grooves 4, each of which is shaped like an arc in section and has the same size of width as the thickness of a flange 3. When dynamic pressure generating grooves 5, 6 are respectively formed on end faces 3a, 3b of the flange 3 with the use of dies, the inner peripheral faces of the flange 3 expand and respectively bite into the annular grooves 4, each of which is shaped like an arc in section, and each of the inner peripheral faces of the flange 3 and the each of the sectionally-arclike annular grooves 4 press against each other over the entire width in the direction of the thickness of the flange 3 and engage with each other.

